

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-8 (canceled)

1 9 (previously presented): A method for identifying a compound that modulates
2 cellular proliferation, the method comprising the steps of:
3 (i) contacting the compound with a SAK polypeptide, the polypeptide encoded by
4 a nucleic acid that encodes a SAK polypeptide having at least 95% sequence identity to SEQ ID
5 NO:2, the polypeptide having serine/threonine kinase activity; and
6 (ii) determining a functional effect of the compound upon the SAK polypeptide,
7 wherein the functional effect is determined by measuring kinase activity of the SAK polypeptide,
8 which indicates that the compound modulates cellular proliferation.

1 10 (original): The method of claim 9, wherein the functional effect is measured
2 in vitro.

11-23 (canceled)

1 24 (original): The method of claim 9, wherein modulation is inhibition of
2 cellular proliferation.

1 25 (original): The method of claim 9, wherein modulation is inhibition of cancer
2 cell proliferation.

26-31 (canceled)

1 32 (original): The method of claim 9, wherein the polypeptide is recombinant.

1 33 (currently amended): The method of claim 9, wherein the polypeptide is
2 encoded by a nucleic acid comprising a sequence of SEQ ID NO:1.

1 34 (original): The method of claim 9, wherein the compound is an antibody.

35 (canceled)

1 36 (original): The method of claim 9, wherein the compound is a small organic
2 molecule.

1 37 (original): The method of claim 9, wherein the compound is a peptide.

1 38 (original): The method of claim 37, wherein the peptide is circular.

39-50 (canceled)